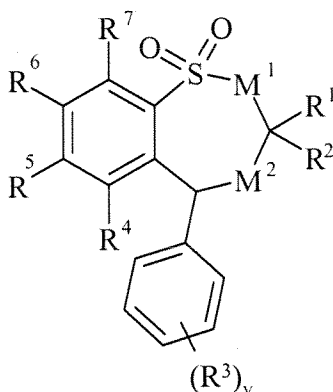


Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of the Claims:

Claim 1 (currently amended): A compound of formula (I):



(I)

wherein

M^1 is $-CH_2-$ or $-NR^{21}-$;

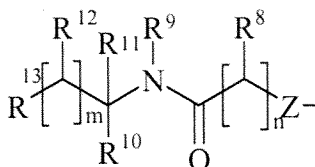
M^2 is $-CR^{22}R^{23}-$ or $-NR^{24}-$; provided that if M^1 is $-NR^{21}-$, M^2 is $-CR^{22}R^{23}-$;

one of R^1 and R^2 is selected from hydrogen, or C_{1-6} alkyl or C_{2-6} alkenyl and the other is selected from C_{1-6} alkyl or C_{2-6} alkenyl;

R^3 is selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, C_{1-6} alkanoyl, C_{1-6} alkanoyloxy, $N-(C_{1-6}alkyl)amino$, $N,N-(C_{1-6}alkyl)_2amino$, $C_{1-6}alkanoylamino$, $N-(C_{1-6}alkyl)carbamoyl$, $N,N-(C_{1-6}alkyl)_2carbamoyl$, $C_{1-6}alkylS(O)_a$ wherein a is 0 to 2, $C_{1-6}alkoxycarbonyl$, $N-(C_{1-6}alkyl)sulphamoyl$ and $N,N-(C_{1-6}alkyl)_2sulphamoyl$;

v is 0-5;

one of R^5 and R^6 is a group of formula (IA):



(IA)

R^4 and R^7 are hydrogen;

and the other of R^5 and R^6 is independently selected from hydrogen or methylthio, halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, C_{1-4} alkyl, C_{2-4} alkenyl, C_{2-4} alkynyl, C_{1-4} alkoxy, C_{1-4} alkanoyl, C_{1-4} alkanoyloxy, N -(C_{1-4} alkyl)amino, N,N -(C_{1-4} alkyl) $_2$ amino, C_{1-4} alkanoylamino, N -(C_{1-4} alkyl)carbamoyl, N,N -(C_{1-4} alkyl) $_2$ carbamoyl, C_{1-4} alkylS(O) $_a$ wherein a is 0 to 2, C_{1-4} alkoxycarbonyl, N -(C_{1-4} alkyl)sulphamoyl and N,N -(C_{1-4} alkyl) $_2$ sulphamoyl; wherein R^4 and R^7 and the other of R^5 and R^6 may be optionally substituted on carbon by one or more R^{25} ;

Z is -O-, $N(R^a)$ -, $S(O)_b$ - or $CH(R^a)$ -; wherein R^a is hydrogen or C_{1-6} alkyl and b is 0-2;

R^8 is hydrogen, C_{1-4} alkyl, carbocyclyl or heterocyclyl; wherein R^8 may be optionally substituted on carbon by one or more substituents selected from R^{26} ; and wherein if said heterocyclyl contains an -NH- group, that nitrogen may be optionally substituted by a group selected from R^{27} ;

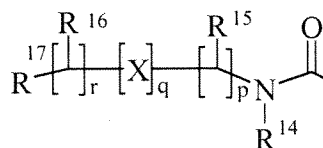
R^9 is hydrogen or C_{1-4} alkyl;

R^{10} is and R^{11} are independently selected from cyclohexyl and phenyl, hydrogen, C_{1-4} alkyl, carbocyclyl or heterocyclyl; or R^{10} and R^{11} together form C_{2-6} alkylene; wherein R^{10} and R^{11} or R^{10} and R^{11} together may be independently optionally substituted on carbon by one or more substituents selected from R^{28} ; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted by one or more R^{29} ;

R^{10} and R^{11} is independently selected from hydrogen, C_{1-4} alkyl, carbocyclyl or heterocyclyl; or R^{10} and R^{11} together form C_{2-6} alkylene; wherein R^{10} and R^{11} or R^{10} and R^{11} together may be independently optionally substituted on carbon by one or more substituents selected from R^{28} ; and wherein if said heterocyclyl contains an -NH- moiety, that nitrogen may be optionally substituted by one or more R^{29} ;

R^{12} is hydrogen, C_{1-4} alkyl, carbocyclyl or heterocyclyl; wherein R^{12} may be optionally substituted on carbon by one or more substituents selected from R^{30} ; and wherein if said heterocyclyl contains an NH moiety, that nitrogen may be optionally substituted by one or more R^{31} ;

R^{13} is hydrogen, halo, nitro, cyano, hydroxy, amino, carbamoyl, mercapto, sulphamoyl, hydroxyaminocarbonyl, C_{1-10} alkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, C_{1-10} alkoxy, C_{1-10} alkoxycarbonyl, C_{1-10} alkanoyl, C_{1-10} alkanoyloxy, N -(C_{1-10} alkyl)amino, N,N -(C_{1-10} alkyl)₂amino, N,N,N -(C_{1-10} alkyl)₃ammonio, C_{1-10} alkanoylamino, N -(C_{1-10} alkyl)carbamoyl, N,N -(C_{1-10} alkyl)₂carbamoyl, C_{1-10} alkylS(O)_a wherein a is 0 to 2, N -(C_{1-10} alkyl)sulphamoyl, N,N -(C_{1-10} alkyl)₂sulphamoyl, N -(C_{1-10} alkyl)sulphamoylamino, N,N -(C_{1-10} alkyl)₂sulphamoylamino, C_{1-10} alkoxycarbonylamino, carbocyclyl, carbocyclyl C_{1-10} alkyl, heterocyclic group, heterocyclyl C_{1-10} alkyl, carbocyclyl(C_{1-10} alkylene)_e- R^{32} -(C_{1-10} alkylene)_f or heterocyclyl(C_{1-10} alkylene)_g- R^{33} -(C_{1-10} alkylene)_h; wherein R^{13} may be optionally substituted on carbon by one or more substituents selected from R^{36} ; and wherein if said heterocyclyl contains an NH group, that nitrogen may be optionally substituted by a group selected from R^{37} ; or R^{13} is a group of formula (IB):



(IB)

wherein:

X is $N(R^{38})$, $N(R^{38})C(O)$, O , and $S(O)_a$; wherein a is 0-2 and R^{38} is hydrogen or C_{1-4} alkyl;

R^{14} is hydrogen or C_{1-4} alkyl;

R^{15} is hydrogen;

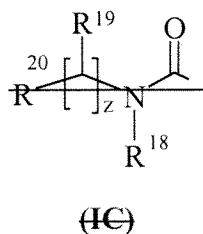
and R^{16} is are independently selected from hydrogen, halo, nitro, cyano, hydroxy, amino,

carbamoyl, mercapto, sulphamoyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy,

C_{1-6} alkanoyl, C_{1-6} alkanoyloxy, N -(C_{1-6} alkyl)amino, N,N -(C_{1-6} alkyl)₂amino,

C_{1-6} alkanoylamino, N -(C_{1-6} alkyl)carbamoyl, N,N -(C_{1-6} alkyl)₂carbamoyl, C_{1-6} alkylS(O)_a wherein a is 0 to 2, C_{1-6} alkoxy, carbonyl, N -(C_{1-6} alkyl)sulphamoyl, N,N -(C_{1-6} alkyl)₂sulphamoyl, carboecyclyl or heterocyclic group; wherein R^{15} and R^{16} may be independently optionally substituted on carbon by one or more substituents selected from R^{41} ; and wherein if said heterocyclyl contains an NH group, that nitrogen may be optionally substituted by a group selected from R^{42} ,

R^{17} is ethyl, selected from hydrogen, halo, nitro, cyano, hydroxy, amino, carbamoyl, mercapto, sulphamoyl, hydroxyaminocarbonyl, C_{1-10} alkyl, C_{2-10} alkenyl, C_{2-10} alkynyl, C_{1-10} alkoxy, C_{1-10} alkanoyl, C_{1-10} alkanoyloxy, N -(C_{1-10} alkyl)amino, N,N -(C_{1-10} alkyl)₂amino, C_{1-10} alkanoylamino, N -(C_{1-10} alkyl)carbamoyl, C_{1-10} alkoxy, carbonyl, N,N -(C_{1-10} alkyl)₂carbamoyl, C_{1-10} alkylS(O)_a wherein a is 0 to 2, N -(C_{1-10} alkyl)sulphamoyl, N,N -(C_{1-10} alkyl)₂sulphamoyl, N -(C_{1-10} alkyl)sulphamoylamino, N,N -(C_{1-10} alkyl)₂sulphamoylamino, carboecyclyl, carboecyclyl- C_{1-10} alkyl, heterocyclic group, heterocyclyl- C_{1-10} alkyl, carboecyclyl-(C_{1-10} alkylene)_e- R^{43} -(C_{1-10} alkylene)_f or heterocyclyl-(C_{1-10} alkylene)_g- R^{44} -(C_{1-10} alkylene)_h; wherein R^{17} is may be optionally substituted on each carbon of the ethyl group by one substituent or more substituents selected from R^{47} , wherein R^{47} is hydroxy; and wherein if said heterocyclyl contains an NH group, that nitrogen may be optionally substituted by a group selected from R^{48} ; or R^{17} is a group of formula (IC):



wherein:

R^{18} is selected from hydrogen or C_{1-4} alkyl;

R^{19} is selected from hydrogen, halo, nitro, cyano, hydroxy, amino, carbamoyl, mercapto, sulphamoyl, C_{1-6} alkyl, C_{2-6} alkenyl, C_{2-6} alkynyl, C_{1-6} alkoxy, C_{1-6} alkanoyl, C_{1-6} alkanoyloxy, N -(C_{1-6} alkyl)amino, N,N -(C_{1-6} alkyl)₂amino, C_{1-6} alkanoylamino, N -(C_{1-6} alkyl)carbamoyl,

~~$N,N-(C_{1-6}\text{alkyl})_2\text{carbamoyl}$, $C_{1-6}\text{alkylS(O)}_a$ wherein a is 0 to 2, $C_{1-6}\text{alkoxy}^{\text{carbonyl}}$, $N-(C_{1-6}\text{alkyl})\text{sulphamoyl}$, $N,N-(C_{1-6}\text{alkyl})_2\text{sulphamoyl}$, carbocyclyl or heterocyclic group; where R^{19} may be independently optionally substituted on carbon by one or more substituents selected from R^{51} ; and wherein if said heterocyclyl contains an NH group, that nitrogen may be optionally substituted by a group selected from R^{52} ;~~

~~R^{20} is selected from halo, nitro, cyano, hydroxy, amino, carbamoyl, mercapto, sulphamoyl, hydroxyaminocarbonyl, $C_{1-10}\text{alkyl}$, $C_{2-10}\text{alkenyl}$, $C_{2-10}\text{alkynyl}$, $C_{1-10}\text{alkoxy}$, $C_{1-10}\text{alkoxy}^{\text{carbonyl}}$, $C_{1-10}\text{alkanoyl}$, $C_{1-10}\text{alkanoyloxy}$, $N-(C_{1-10}\text{alkyl})\text{amino}$, $N,N-(C_{1-10}\text{alkyl})_2\text{amino}$, $N,N,N-(C_{1-10}\text{alkyl})_3\text{ammonio}$, $C_{1-10}\text{alkanoylamino}$, $N-(C_{1-10}\text{alkyl})\text{carbamoyl}$, $N,N-(C_{1-10}\text{alkyl})_2\text{carbamoyl}$, $C_{1-10}\text{alkylS(O)}_a$ wherein a is 0 to 2, $N-(C_{1-10}\text{alkyl})\text{sulphamoyl}$, $N,N-(C_{1-10}\text{alkyl})_2\text{sulphamoyl}$, $N-(C_{1-10}\text{alkyl})\text{sulphamoylamino}$, $N,N-(C_{1-10}\text{alkyl})_2\text{sulphamoylamino}$, $C_{1-10}\text{alkoxy}^{\text{carbonylamino}}$, carbocyclyl, carbocyclyl $C_{1-10}\text{alkyl}$, heterocyclic group, heterocyclyl $C_{1-10}\text{alkyl}$, carbocyclyl $(C_{1-10}\text{alkylene})_e$ - R^{53} -($C_{1-10}\text{alkylene})_f$ -or heterocyclyl $(C_{1-10}\text{alkylene})_g$ - R^{54} -($C_{1-10}\text{alkylene})_h$; wherein R^{20} may be independently optionally substituted on carbon by one or more R^{57} ; and wherein if said heterocyclyl contains an NH group, that nitrogen may be optionally substituted by a group selected from R^{58} ;~~

~~p is 1-3; wherein the values of R^{15} may be the same or different;~~

~~q is 0-1;~~

~~r is 0-3; wherein the values of R^{16} may be the same or different;~~

~~m is 0-2; wherein the values of R^{12} may be the same or different;~~

~~n is 1-2; wherein the values of R^8 may be the same or different;~~

~~z is 0-3; wherein the values of R^{19} may be the same or different;~~

~~R^{21} is selected from hydrogen or $C_{1-6}\text{alkyl}$;~~

~~R^{22} and R^{23} are independently selected from hydrogen, hydroxy, amino, mercapto, $C_{1-6}\text{alkyl}$, $C_{1-6}\text{alkoxy}$, $N-(C_{1-6}\text{alkyl})\text{amino}$, $N,N-(C_{1-6}\text{alkyl})_2\text{amino}$, $C_{1-6}\text{alkylS(O)}_a$ wherein a is 0 to 2;~~

~~R^{24} is selected from hydrogen, hydroxy, $C_{1-6}\text{alkyl}$, $C_{1-4}\text{alkoxy}$ and $C_{1-6}\text{alkanoyloxy}$;~~

~~R^{25} is selected from halo, nitro, cyano, hydroxy, amino, carboxy, carbamoyl, mercapto, sulphamoyl, $C_{1-4}\text{alkyl}$, $C_{2-4}\text{alkenyl}$, $C_{2-4}\text{alkynyl}$, $C_{1-4}\text{alkoxy}$, $C_{1-4}\text{alkanoyl}$, $C_{1-4}\text{alkanoyloxy}$,~~

N-(C₁₋₄alkyl)amino, *N,N*-(C₁₋₄alkyl)₂amino, C₁₋₄alkanoylamino, *N*-(C₁₋₄alkyl)carbamoyl, *N,N*-(C₁₋₄alkyl)₂carbamoyl, C₁₋₄alkylS(O)_a wherein a is 0 to 2, C₁₋₄alkoxycarbonyl, *N*-(C₁₋₄alkyl)sulphamoyl and *N,N*-(C₁₋₄alkyl)₂sulphamoyl; wherein R²⁵, may be independently optionally substituted on carbon by one or more R⁶⁷;

R²⁶, R²⁸, R³⁰, R³⁶, R⁴¹, R⁴⁷, R⁵¹ and R⁵⁷ are independently selected from halo, nitro, cyano, hydroxy, amino, carbamoyl, mercapto, sulphamoyl, hydroxyaminocarbonyl, C₁₋₁₀alkyl, C₂₋₁₀alkenyl, C₂₋₁₀alkynyl, C₁₋₁₀alkoxy, C₁₋₁₀alkanoyl, C₁₋₁₀alkanoyloxy, C₁₋₁₀alkoxycarbonyl, *N*-(C₁₋₁₀alkyl)amino, *N,N*-(C₁₋₁₀alkyl)₂amino, *N,N,N*-(C₁₋₁₀alkyl)₃ammonio, C₁₋₁₀alkanoylamino, *N*-(C₁₋₁₀alkyl)carbamoyl, *N,N*-(C₁₋₁₀alkyl)₂carbamoyl, C₁₋₁₀alkylS(O)_a wherein a is 0 to 2, *N*-(C₁₋₁₀alkyl)sulphamoyl, *N,N*-(C₁₋₁₀alkyl)₂sulphamoyl, *N*-(C₁₋₁₀alkyl)sulphamoylamino, *N,N*-(C₁₋₁₀alkyl)₂sulphamoylamino, C₁₋₁₀alkoxycarbonylamino, carbocyclyl, carbocyclylC₁₋₁₀alkyl, heterocyclic group, heterocyclylC₁₋₁₀alkyl, carbocyclyl-(C₁₋₁₀alkylene)_e-R⁵⁹-(C₁₋₁₀alkylene)_f- or heterocyclyl-(C₁₋₁₀alkylene)_g-R⁶⁰-(C₁₋₁₀alkylene)_h-; wherein R²⁶, R²⁸, R³⁰, R³⁶, R⁴¹, R⁴⁷, R⁵¹ and R⁵⁷ may be independently optionally substituted on carbon by one or more R⁶³; and wherein if said heterocyclyl contains an -NH- group, that nitrogen may be optionally substituted by a group selected from R⁶⁴;

R²⁷, R²⁹, R³¹, R³⁷, R⁴², R⁴⁸, R⁵², R⁵⁸ and R⁶⁴ are independently selected from C₁₋₆alkyl, C₁₋₆alkanoyl, C₁₋₆alkylsulphonyl, sulphamoyl, *N*-(C₁₋₆alkyl)sulphamoyl, *N,N*-(C₁₋₆alkyl)₂sulphamoyl, C₁₋₆alkoxycarbonyl, carbamoyl, *N*-(C₁₋₆alkyl)carbamoyl, *N,N*-(C₁₋₆alkyl)₂carbamoyl, benzyl, phenethyl, benzoyl, phenylsulphonyl and phenyl;

R³², R³³, R⁴³, R⁴⁴, R⁵³, R⁵⁴, R⁵⁹ and R⁶⁰ are independently selected from -O-, -NR⁶⁵-, -S(O)_x-, -NR⁶⁵C(O)NR⁶⁶-, -NR⁶⁵C(S)NR⁶⁶-, -OC(O)N=C-, -NR⁶⁵C(O)- or -C(O)NR⁶⁵-; wherein R⁶⁵ and R⁶⁶ are independently selected from hydrogen or C₁₋₆alkyl, and x is 0-2;

R⁶³ and R⁶⁷ are independently selected from halo, hydroxy, cyano, carbamoyl, ureido, amino, nitro, carbamoyl, mercapto, sulphamoyl, trifluoromethyl, trifluoromethoxy, methyl, ethyl, methoxy, ethoxy, vinyl, allyl, ethynyl, methoxycarbonyl, formyl, acetyl, formamido, acetyl amino, acetoxymethyl, dimethylamino, *N*-methylcarbamoyl,

N,N-dimethylcarbamoyl, methylthio, methylsulphinyl, mesyl, *N*-methylsulphamoyl and

N,N-dimethylsulphamoyl; and

e, f, g and **h** are independently selected from 0-2;

or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof.

Claims 2-3 (cancelled).

Claim 4 (currently amended): A compound of formula **(I)** according to claim 1 wherein R²² and R²³ are independently selected from hydrogen and hydroxy; or a pharmaceutically acceptable salt

or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof.

Claim 5 (cancelled).

Claim 6 (currently amended): A compound of formula **(I)** according to claim 1 wherein one of R¹ and R² ~~is a~~ C₁₋₄alkyl; or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof.

Claim 7 (currently amended): A compound of formula **(I)** according to claim 1 wherein *v* is 0; or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof.

Claims 8-11 (cancelled).

Claim 12 (currently amended): A compound of formula **(I)** according to claim 1 selected from:
(+/-)-trans-1,1-dioxo-3-ethyl-3-butyl-5-phenyl-7-methylthio-8-(*N*-{(R)- α -[*N'*-(2-(S)-3-(R)-4-(R)-5-(R)-2,3,4,5,6-pentahydroxyhexyl)carbamoyl]benzyl} carbamoylmethoxy)-2,3,4,5-tetrahydro-1,4-benzothiazepine;

~~(+/-)-trans-1,1-dioxo-3-ethyl-3-butyl-5-phenyl-7-methylthio-8-(*N*-{(R)- α -[*N'*-(2-(S)-3-(R)-4-(R)-5-(R)-2,3,4,5,6-pentahydroxyhexyl)carbamoyl]benzyl} carbamoylmethoxy)-2,3,4,5-tetrahydro-1,4-benzothiazepine;~~

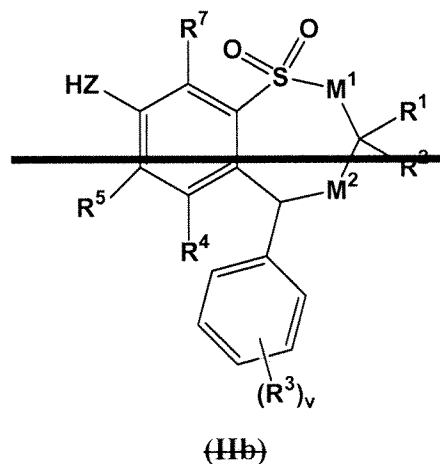
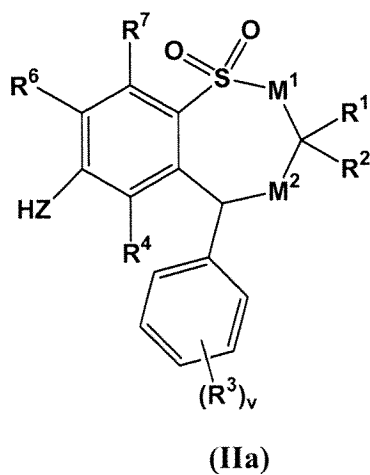
~~1,1-dioxo-3-ethyl-3-butyl-4-hydroxy-5-phenyl-7-(N{ α -[Nⁿ-(2-(S)-3-(R)-4-(R)-5-(R)-2,3,4,5,6-pentahydroxyhexyl)carbamoyl]-2-fluorobenzyl}carbamoylmethylthio)-2,3,4,5-tetrahydrobenzothiepine; or~~

~~1,1-dioxo-3-butyl-3-ethyl-4-hydroxy-5-phenyl-7-(N{1-[Nⁿ-(2-(S)-3-(R)-4-(R)-5-(R)-2,3,4,5,6-pentahydroxyhexyl)carbamoyl]-1-(cyclohexyl)methyl}carbamoylmethylthio)-2,3,4,5-tetrahydrobenzothiepine;~~

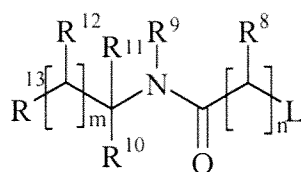
or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof.

Claim 13 (currently amended and withdrawn): A process for preparing a compound of formula **(I)** or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide ~~a prodrug~~ thereof, as claimed in claim 1, which process ~~(wherein variable groups are, unless otherwise specified, as defined in claim 1)~~ comprises of:

Process 1): for compounds of formula **(I)** ~~wherein Z is -O-, NR^a- or -S-~~; reacting a compound of formula **(IIa)** ~~or (IIb)~~:



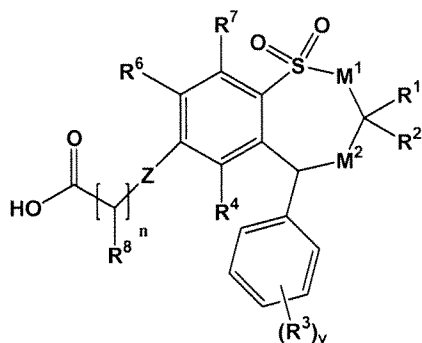
with a compound of formula **(III)**:



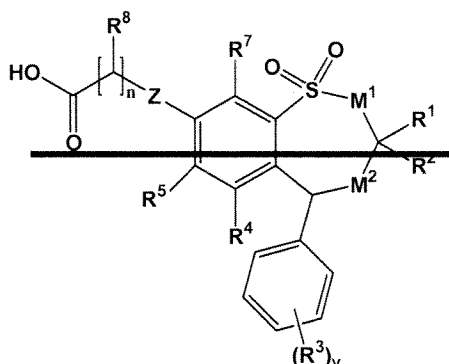
(III)

wherein L is a displaceable group;

Process 2): reacting an acid of formula (IVa) or (IVb):

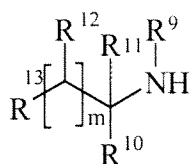


(IVa)



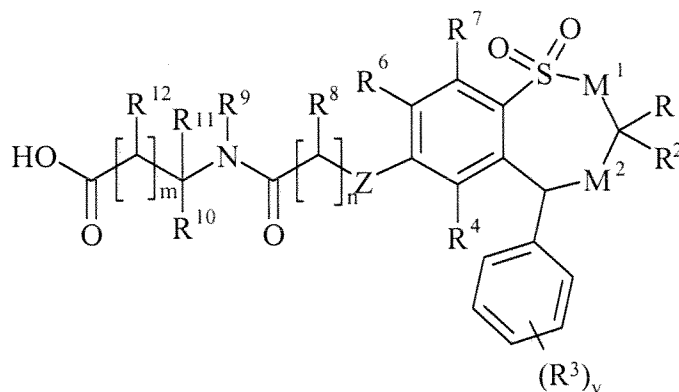
(IVb)

or an activated derivative thereof; with an amine of formula (V):



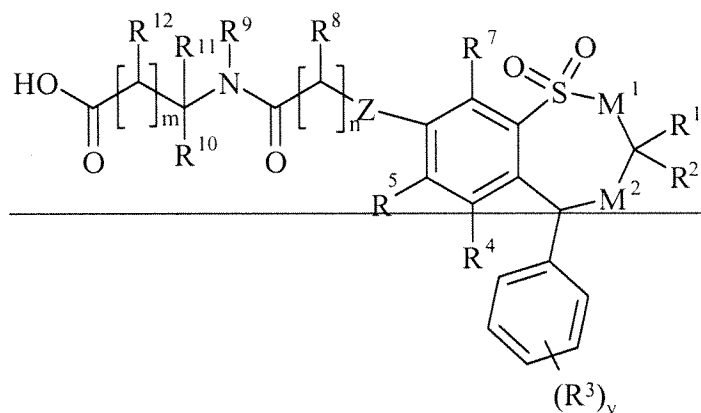
(V);

Process 3): for compounds of formula (I) wherein R¹³ is a group of formula (IB); reacting an acid of formula (VIa):



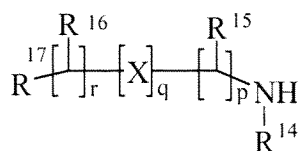
(VIa)

or (VIb):



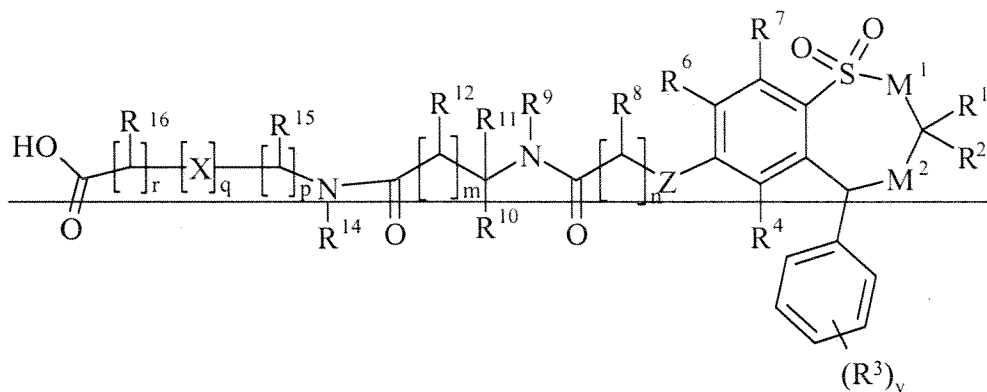
(VIb)

with an amine of formula (VI):



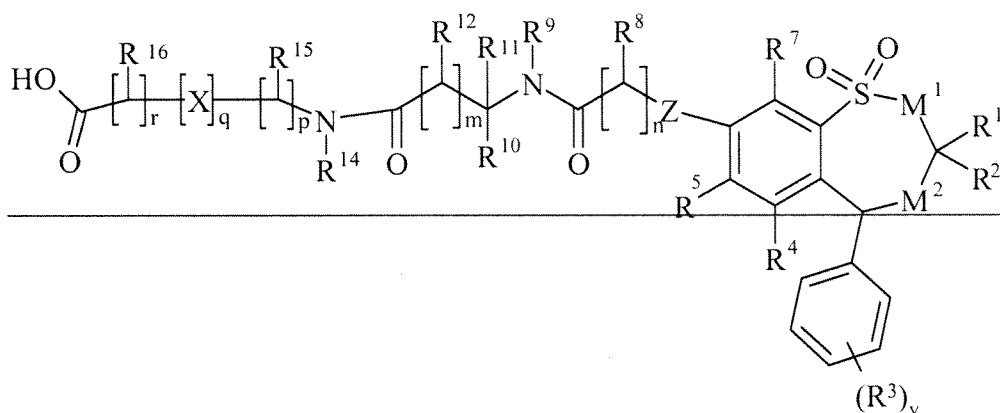
(VI); or

Process 4): for compounds of formula (I) wherein R^{13} is a group of formula (IB) and R^{17} is a group of formula (IC); reacting an acid of formula (VIIa):



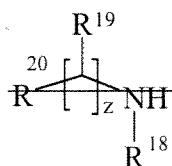
(VIIHa)

or **(VIIb)**



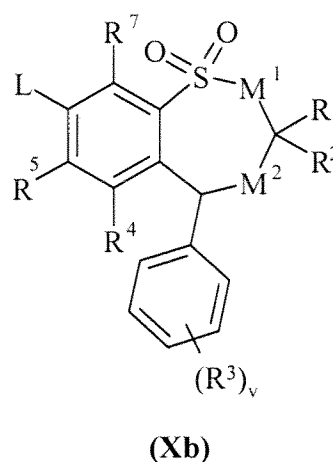
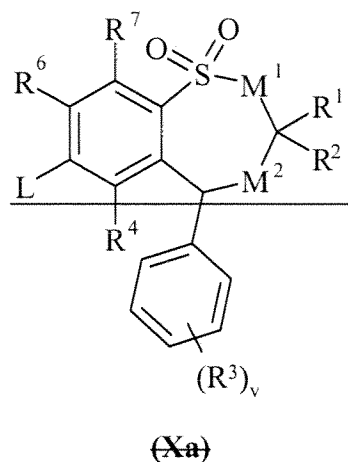
(VIIb)

or an activated derivative thereof; with an amine of formula **(IX)**:



(IX)

Process 4) 5) for compounds of formula **(I)** wherein ~~one of R^5 and R^6 is methylthio~~ are independently selected from C_{1-6} alkylthio optionally substituted on carbon by one or more R^{25} ; reacting a compound of formula ~~**(Xa)** or **(Xb)**~~:



wherein L is a displaceable group; with a thiol of formula **(XI)**:



wherein R^m is ~~methylthio~~ C_{1-6} ~~alkylthio optionally substituted on carbon by one or more R^{25} ;~~
and optionally:

- i) converting a compound of the formula **(I)** into another compound of the formula **(I)**;
- ii) removing any protecting groups;
- iii) forming a pharmaceutically acceptable salt or a prodrug.

Claims 14 to 17 (cancelled).

Claim 18 (currently amended): A pharmaceutical composition which comprises a compound of formula **(I)**, or a pharmaceutically acceptable salt or an *in vivo* hydrolysable ester or amide a prodrug thereof, as claimed in claim 1 ~~or claim 11~~, in association with a pharmaceutically-acceptable diluent or carrier.

Claims 19 to 25 (cancelled).